

## THE EPFL FOUR SEASONS OF TRIBOLOGY

Tribology is the science and engineering of interacting surfaces in relative motion. Tribology is a key factor to successfully address new challenges related to the durability, performance, efficiency and sustainability of a number of strategic applications. Especially relevant for Switzerland, is the demand for more efficient micro/nano systems, bio-engineering interfaces and in the related manufacturing processes.

These seminars address specific advanced tribology topics for a broad audience of engineers and scientists from academia and industry. The speakers are recognized specialists and will discuss, after a broad introduction to the subject, scientific challenges and technical opportunities in the specific topic.

19<sup>th</sup> June 2023



**Prof. R. Espinosa Marzal**

*University of Illinois*

**Ionic liquids: a real lubricant alternative to oil ?**

14<sup>th</sup> Sept. 2023



**Prof. A. Saulot**

*INSA Lyon*

**L'usure: faut-t-il la combattre ?**

08<sup>th</sup> Nov. 2023



**Prof. M. Kalin**

*University of Lubljana*

**Polymer gears tribology for sustainable engineering**

25<sup>th</sup> Jan. 2024



**Prof. N. Espallargas**

*NTNU Trondheim*

**Tailoring lubricants to coatings**

**EPFL (Lausanne), MXF-312; from 14:00 to 16:00**

Presentations will be followed by an informal discussion among participants

Free entrance; Limited to 25 participants

For the registrations, simply send an e-mail to [anna.igualmunoz@epfl.ch](mailto:anna.igualmunoz@epfl.ch)

More information at: <https://www.epfl.ch/labs/tic/>